

## CLAIMS

*We claim:*

*Sub A1*

1        1. A method for operating a wireless communication device having a  
2 display screen and a user interface, comprising:  
3              automatically finding one or more contact identifiers belonging to  
4              predetermined classes within a message entity; and  
5              displaying on the display screen of the wireless communications device  
6              descriptive information relating to the found contact identifiers.

1        2. A method as recited in claim 1, wherein the message entity is  
2 comprised of the headers and content of a text based message.

1        3. A method as recited in claim 2, wherein the text-based message is  
2 stored on the wireless communication device.

1        4. A method as recited in claim 2, wherein the text-based message is  
2 being processed by the wireless communication device.

1        5. A method as recited in claim 1, wherein the message entity is a  
2 markup language file.

1        6. A method as recited in claim 5, wherein the markup language file  
2 is selected from the group consisting of Handheld Device Markup Language  
3 (HDML), Wireless Markup Language (WML), Hypertext Markup Language

4        (HTML), Compact Hypertext Markup Language (cHTML), and Extensible  
5        Markup Language (XML).

1              Sub-  
2              A2

1        7.        A method as recited in claim 1, wherein the predetermined classes  
2        of contact identifiers are selected from a group consisting of electronic mail  
3        contact identifiers, Uniform Resource Indicators (URIs), phone number contact  
4        identifiers, facsimile number contact identifiers, pager number contact identifiers,  
5        SMS contact identifiers and user specified contact identifiers.

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964        C  
965        C  
966        C  
967        C  
968        C  
969        C  
970        C  
971        C  
972        C  
973        C  
974        C  
975        C  
976        C  
977        C  
978        C  
979        C  
980        C  
981        C  
982        C  
983        C  
984        C  
985        C  
986        C  
987        C  
988        C  
989        C  
990        C  
991        C  
992        C  
993        C  
994        C  
995        C  
996        C  
997        C  
998        C  
999        C  
1000        C

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1        12. A method as recited in claim 1, wherein the descriptive  
2 information relating to found contact identifiers includes a symbolic information  
3 indicator.

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B*

1        13. A method as recited in claim 12, wherein the symbolic information  
2 indicator is an icon.

*Sub  
B*

1        14. A method as recited in claim 1, further comprising:  
2 associating a found contact identifier with one of a plurality of  
3 communication services accessible through the wireless  
4 communication device; and  
5 utilizing the found contact identifier to setup a communication link for the  
6 associated communication service accessible through the wireless  
7 communication device.

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1        15. A method as recited in claim 14, wherein the communication  
2 services accessible through the wireless communication device are selected from  
3 a group consisting of electronic mail services, facsimile services, short message  
4 services, paging services, file retrieval services and phone services.

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1        16. A method as recited in claim 1, further comprising:  
2 identifying resources containing found contact identifiers; and  
3 retrieving the identified resources.

*Sub  
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1       **17.** A method as recited in claim 1, wherein the wireless  
2 communication device incorporates a microprocessor and storage area for  
3 program code.

1       **18.** A method as recited in claim 17, wherein the microprocessor  
2 utilizes the program stored in the storage area to control a phone function and a  
3 local application.

1       **19.** A method as recited in claim 18, wherein the local application is  
2 an address book application.

1       **20.** A method as recited in claim 18, wherein the local application is a  
2 calendar application.

1       **21.** A method as recited in claim 18, wherein the local application is a  
2 contact list.

1       **22.** A method as recited in claim 1, wherein the wireless  
2 communication device is selected from a group consisting of a mobile phone, a  
3 personal digital assistant, and a two-way pager.

1           **23.** A computer readable medium on which is encoded computer  
2 program code for providing a display on the display screen of a wireless  
3 communication device, comprising:  
4           computer program code for finding contact identifiers belonging to  
5 predetermined classes within a message entity; and  
6           computer program code for generating a screen display presentation  
7 relating to the found contact identifiers belonging to pre-determined  
8 classes.

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1           **24.** A computer readable medium as described in claim **23**, further  
2 comprising:  
3           computer program code for displaying symbolic identifiers relating to the  
4 function of found contact identifiers belonging to predetermined  
5 classes.

1           **25.** A computer readable medium as described in claim **23**, wherein  
2 the message entity is comprised of the headers and content associated with a  
3 designated message.

1           **26.** A computer readable medium as described in claim **23**, wherein  
2 the message entity is a markup language file.

1           **27.** A computer readable medium as described in claim **26**, wherein  
2 the markup language file is selected from a the group consisting of Handheld  
3 Device Markup Language (HDML), Wireless Markup Language (WML),  
4 Hypertext Markup Language (HTML), Compact Hypertext Markup Language  
5 (cHTML), and Extensible Markup Language (XML).

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1       **28.**   A computer readable medium as described in claim **23**, wherein  
2   the predetermined classes of contact identifiers are selected from the group  
3   consisting of email contact identifiers, Uniform Resource Indicators (URIs),  
4   phone number contact identifiers, facsimile number contact identifiers, pager  
5   number contact identifiers, SMS contact identifiers and user specified contact  
6   identifiers.

1       **29.**   A computer readable medium as described in claim **28**, wherein  
2   the user specified contact identifiers are field entries in a file stored in association  
3   with a unique identifier for the user of the wireless communication device.

1       **30.**   A computer readable medium as described in claim **29**, wherein  
2   the file stored in association with a unique identifier for the user of the wireless  
3   communication device is selected from a group consisting of an address book, a  
4   calendar and a contact list.

1       **31.**   A computer readable medium as described in claim **28**, wherein  
2   the user specified contact identifiers are field entries in a database stored on a  
3   remote server device.

1       **32.**   A computer readable medium as described in claim **31**, wherein  
2   the database stored on the remote server device is a public commercial database.

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1        33. A computer readable medium as described in claim 28, wherein  
2        the screen display presentation includes symbolic information identifiers.

1        34. A computer readable medium as described in claim 33, wherein  
2        the symbolic identifiers are icons.

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1        35. A wireless communication device having a display screen and a  
2        user interface, comprising:  
3              a storage device for storing message entities;  
4              a memory for storing program code for a processor; and  
5              a processor coupled to the storage device and the memory, wherein the  
6              processor operates to execute the program code stored in the memory  
7              to find contact identifiers belonging to predetermined classes of  
8              contact identifiers in the message entities stored on the storage device  
9              and display descriptive information on the display screen relating to  
10          the found contact identifiers.

1        36. A wireless communication device as described in claim 35,  
2        wherein the message entities are comprised of the headers and content associated  
3        with designated text based messages.

1        37. A wireless communication device as described in claim 30,  
2        wherein the text-based messages are markup language files.

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1        38. A wireless communication device as described in claim 37,  
2        wherein the markup language file is selected from a the group consisting of

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3 Handheld Device Markup Language (HDML), Wireless Markup Language  
4 (WML), Hypertext Markup Language (HTML), Compact Hypertext Markup  
5 Language (cHTML), and Extensible Markup Language (XML).

*SAC A6*

1 39. A wireless communication device as described in claim 35,  
2 wherein the predetermined classes of contact identifiers are selected from the  
3 group consisting of electronic mail contact identifiers, Uniform Resource  
4 Indicators (URIs), phone number contact identifiers, facsimile number contact  
5 identifiers, pager number contact identifiers, SMS contact identifiers and user  
6 specified contact identifiers.

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1 40. A wireless communication device as described in claim 39,  
2 wherein the user specified contact identifiers are field entries in a file stored in  
3 association with a unique identifier for the user of the wireless communication  
4 device.

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1 41. A wireless communication device as described in claim 40,  
2 wherein the file stored in association with a unique identifier for the user of the  
3 wireless communication device is selected from a group consisting of an address  
4 book, a calendar and a contact list.

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1 42. A wireless communication device as described in claim 40,  
2 wherein the user specified contact identifiers are field entries in a database stored  
3 on a remote server device.

1        43. A wireless communication device as described in claim 42,  
2        wherein the database stored on the remote server device is a public commercial  
3        database.

1        44. A wireless communication device as described in claim 35,  
2        wherein the descriptive information relating to found contact identifiers includes a  
3        symbolic information indicator.

1        45. A wireless communication device as described in claim 44,  
2        wherein the symbolic information indicator is an icon.

1        46. A wireless communication device as described in claim 35, further  
2        comprising:  
3              program code stored in the memory for associating found contact  
4              identifiers with communication services accessible through the  
5              wireless communication device; and  
6              program code stored in the memory for utilizing found contact identifiers  
7              to setup communication links for communication services accessible  
8              through the wireless communication device.

Add A7

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